PATEN	T COOPE	RATION TREATY
From the INTERNATIONAL SEARCHING A To: TERESA A. LAVOIE FISH & RICHARDSON P.C. P.O. BOX 1022 MINNEAPOLIS, MN 55440-1022	AUTHORITY	PCT NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCHERPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION (PCT Rule 44.1)
		Date of mailing (day/month/year) 15 FEB 2011
Applicant's or agent's file reference 253240012WO1		FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No. PCT/US 10/53484	¥	International filing date (day/month/year) 21 October 2010 (21.10.2010)
Applicant CUREMARK LLC		
Authority have been established and are Filing of amendments and statement to The applicant is entitled, if he so wishes	transmitted hander Article s, to amend the such amendm	
Where? Directly to the International 1211 Geneva 20, Switzerla For more detailed instructions, see	Il Buzcau of W ind Each imile PCT Applican io internationa	

4. Reminders The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. Following the expiration of 30 months from the priority date, these comments will also be made available to the public.

3. With regard to any protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that: the protest together with the decision thereon has been transmitted to the International Bureau together with any request to forward the texts of both the protest and the decision thereon to the designated Offices. no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

Shortly after the expiration of 18 months from the priority date, the international application will be applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau before the completion of the technical preparations for international publication (Rules 90bis.1 and 90bis.3).

Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.

In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months

For details about the applicable time limits, Office by Office, see www.wipo.int/pct/en/texts/time_limits.html and the PCT Applicant's Guide, National Chapters.

Name and mailing address of the ISA/	Authorized officer
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	Lee W. Young
P.O. Box 1450, Alexandria, Virginia 22313-1450	PCT Helpdesk: 571-272-4300
Facsimile No. 571-273-3201	Telephone No. PCT OSP: 571-272-7774

Form PCT/ISA/220 (July 2010)

PATENT COOPERATROT/W62010/053484 15.02.2011

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 253240012WO1	FOR FURTHER see Form PCT/ISA/220 ACTION as well as, where applicable, item 5 below.					
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)				
PCT/US 10/53484 21 October 2010 (21.10.2010) 21 October 2009 (21.10.2009)						
Applicant CUREMARK LLC						
	en prepared by this International Searching A g transmitted to the International Bureau.	uthority and is transmitted to the applicant				
This international search report consists	of a total of 4 sheets.					
It is also accompanied by a	copy of each prior art document cited in this	report.				
I. Basis of the report						
a. With regard to the language, the	international search was carried out on the ba	sis of:				
the international app	lication in the language in which it was filed.					
	aternational application into ed for the purposes of international search (Ru	which is the language of les 12.3(a) and 23.1(b)).				
	eport has been established taking into account this Authority under Rule 91 (Rule 43.6bis(a					
c. With regard to any nucleot	ide and/or amino acid sequence disclosed in	the international application, see Box No. I.				
2. Certain claims were found	d unsearchable (see Box No. II).					
3. Unity of invention is lack	ing (see Box No. III).					
4. With regard to the title,						
the text is approved as sub	nitted by the applicant.	•				
the text has been established	d by this Authority to read as follows:					
5. With regard to the abstract,						
the text is approved as sub	nitted by the applicant.					
the text has been established	d, according to Rule 38.2, by this Authority as	s it appears in Box No. IV. The applicant				
may, within one month from	n the date of mailing of this international search	h report, submit comments to this Authority.				
6. With regard to the drawings,						
a. the figure of the drawings to be	published with the abstract is Figure No.					
as suggested by the a	pplicant.					
as selected by this A	uthority, because the applicant failed to sugges	st a figure.				
as selected by this A	uthority, because this figure better characterize	es the invention.				
h []	published with the obstroot					

Form PCT/ISA/210 (first sheet) (July 2009)

INTERNATIONAL SEARCH REPORT PCT/US2010/053484.15.02.2011

Box No.	п	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)			
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:					
1.		s Nos.: se they relate to subject matter not required to be searched by this Authority, namely:			
2.	becau	. s Nos.: se they relate to parts of the international application that do not comply with the prescribed requirements to such as that no meaningful international search can be carried out, specifically:	n		
3.		s Nos.: se they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).			
Box No.	ш	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)			
This appl	lication	al Scarching Authority found multiple inventions in this international application, as follows: contains the following inventions or groups of inventions which are not so linked as to form a single general inventive OF Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.	1		
		1-16, and 34-38 directed to a method for treatment or prevention of influenza in a mammal or bird, comprising therapeutically effective amount of a pharmaceutical composition comprising one or more digestive enzymes.			
Group II: claims 17-28, directed to a method of diagnosing a patient as immune-compromised, comprising: a) obtaining a fecal sample from the patient; b) determining a level of chymotypsin present in the fecal sample; and c) diagnosing the patient as having a compromised immune system if the determined fecal chymotypsin level is less than a control level.					
- Please	see ext	ra sheet for continuation -	1		
1.	As all	required additional search fees were timely paid by the applicant, this international search report covers all searchables.	0		
2.		searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment onal fees.	f		
3.	As on only the	ly some of the required additional search fees were timely paid by the applicant, this international search report cover nose claims for which fees were paid, specifically claims Nos.:	5		
 No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-16 and 34-36 					
Remark	on Pro	test			
		The additional search fees were accompanied by the applicant's protest but the applicable protes fee was not paid within the time limit specified in the invitation.	t		
		No protest accompanied the payment of additional search fees			

INTERNATIONAL SEARCH DEPORT

PCT/US2010/053484 15.02.2011

		PCT/US 10	
IPC(8) - USPC -			
According t	o International Patent Classification (IPC) or to both national classification and	IPC	
	DS SEARCHED .		
Minimum do USPC 514	ocumentation searched (classification system followed by classification symbols) 3.7, 514/2, 514/3; IPC(8) – A61K 38/46		
Documentati	ion searched other than minimum documentation to the extent that such documents a	are included in the	fields searched
WEST PG Google Scho	ata base consulted during the international search (name of data base and, where pra PB.USPT.USOC.EPAB.JPAB. Dialog Classic Files – 654, 652, 349, 35, 65, 155, Jar. Search terms - treatment, prevention, influenza A, H1N1, trypsin, chymotty rall therapy, capsule, dosages	USPTO Web Pag	e: PCT Patentscope:
C. DOCU	MENTS CONSIDERED TO BE RELEVANT		The state of the s
Category*	Citation of document, with indication, where appropriate, of the relevan	t passages	Relevant to claim No.
X	WO 90/002562 A1 (SUTTON et al.) 22 March 1990 (22.03.1990) pg 2, para 2-3 pg 4, para 5 pg 5, para 4; pg 10, para 1; pg 13, para 3	; pg 3, para 2-3;	1-5, 7-9, 12, 16
Ÿ	pg 4, para 5 pg 5, para 4; pg 10, para 1; pg 13, para 3		6, 10, 11, 13-15, 38
x	US 2002/0141987 A1 (BJARNASON) 03 October 2002 (03.10.2002) para [000 ⁻¹], [0020], [0026], [0031], [0049], [0049], [0054]	1], [0007],	34-37
Y	US 2005/0281772 A1 (BROMLEY et al.) 22 December 2005 (22.12.2005) para	[0281], [0455]	6, 10
Y	US 5,106,616 A (McANALLEY et al.) 21 April 1992 (21.04.1992) col 12, ln 5-7;	col 17, In 6-17	11, 15
Υ .	US 2003/0104045 A1 (VIRTANEN et al.) 05 June 2003 (05.06.2003) para [0070	וס	11, 15
Y	US 2009/0232789 A1 (FALLON) 17 September 2009 (17.09.2009) para [0019], [0049], [0050], Fig 4	[0035]-[0042],	13-15, 38
Fuethe	er documents are listed in the continuation of Roy C		

Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance		"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
		earlier application or patent but published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive
	"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other		step when the document is taken alone
s		special reason (as specified)		document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is
		document referring to an oral disclosure, use, exhibition or other means		combined with one or more other such documents, such combination being obvious to a person skilled in the art
	"P"	document published prior to the international filing date but later than the priority date claimed	"&"	document member of the same patent family
	Date	of the actual completion of the international search	Date	of mailing of the international search report
28 January 2011 (28.01.2011)		15 FEB 2011		
ı	Nam	e and mailing address of the ISA/US	Α	uthorized officer:
Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450		Lee W. Young		
Facsimile No. 571-273-3201		PCT Helpdesk: 571-272-4300		

INTERNATIONAL SEARCH REPORT

PCT/US2010/053484 15 02 2011

PCT/US 10/53484

Continuation of Box III: Lack of Unity of Invention

Group III: claims 29, 30 and 33, directed to a composition comprising one or more digestive enzymes comprising at least one lipase and at least one protease, wherein the ratio of proteases to lipases ranges from about 1:1 to about 20:1. Group IV: claims 31-33, directed to a pharmaceutical composition comprising at least one amylase, a mixture of proteases comprising

trypsin and chymotrypsin and at least one lipase. Group V: claim 39, directed to a method for sanitizing or disinfecting a surface to reduce the amount of influenza virus thereon,

comprising applying to the surface a composition comprising one or more digestive enzymes. Group VI; claim 40, directed to a method for reducing the amount of influenza virus present on a skin region, tissue, or wound of a mammal or bird comprising applying to the skin region, tissue, or wound a composition comprising one or more digestive enzymes.

The inventions listed as Groups I - VI do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

The special technical feature of the Group I claims is a method for treatment or prevention of influenza in a mammal or bird, comprising administering a therapeutically effective amount of a pharmaceutical composition comprising one or more digestive enzymes. The special technical feature of the Group II claims is a method of diagnosing a patient as immune-compromised, comprising; a) obtaining a fecal sample from the patient; b) determining a level of chymotrypsin present in the fecal sample; and c) diagnosing the patient as having a compromised immune system if the determined fecal chymotrypsin level is less than a control level. The special technical feature of the Group III claims is a composition comprising one or more digestive enzymes comprising at least one lipase and at least one protease, wherein the ratio of proteases to lipases ranges from about 1:1 to about 20:1. The special technical feature of the Group IV claims is a pharmaceutical composition comprising at least one amylase, a mixture of proteases comprising trypsin and chymotrypsin and at least one lipase. The special technical feature of the Group V claims is a method for sanitizing or disinfecting a surface to reduce the amount of influenza virus thereon, comprising applying to the surface a composition comprising one or more digestive enzymes. The special technical feature of the Group VI claims is a method for reducing the amount of influenza virus present on a skin region, tissue, or wound of a mammal or bird comprising applying to the skin region, tissue, or wound a composition comprising one or more digestive

There is no common technical element shared by all of the above groups. Groups I, III and IV share the common technical element of a pharmaceutical composition comprising digestive enzymes, and Groups III and IV share the further common technical element of said enzymes comprising at least one protease and at least one lipase. Groups I. II. V and VI share the common technical element of being related to influenza virus. Groups I and II also being related to evaluating fecal chymotrypsin levels. Groups V and VI share the common technical element of being related to the reduction of the amount of influenza virus being present on a surface. The forgoing common technical elements do not represent an improvement over the prior art of US 2009/0186012 A1 to Hawkins, which discloses administration to a protease to a subject for the treatment of influenza (see para [0023], [0024], [0046]). Additionally, US 2009/0117180 A1 to Ortenzi et al. discloses pharmaceutical compositions comprising proteases, including trypsin and chymotrypsin, as well as lipases and amylases (see para [0029], para [0032] and [0020]) Further, US 2008/0108099 A1 to Donndelinger discloses methods for diagnosing chronic diarrhea (abstract), including viral (para [0021]), wherein the characterization includes the assessment of enzymes in samples, including chymotrypsin (para [0023]), wherein the samples may be stool samples (para [0024]). Finally, US 2008/0193389 A1 to Bott et al. discloses the application of a protease (glycodendrimer protease; abstract) to a surface, including skin (para [0013]) to reduce binding of a microorganism such as influenza (para [0063]). Therefore, the inventions of Groups I-VI lack unity of invention under PCT Rule 13 because they do not share a same or corresponding special technical feature.

DCT

PATENT COOPERATION TREATY

To, TERESA A. LAVOIE FISH & RICHARDSON P.C. P.O. BOX 1022 MINNEAPOLIS, MN 55440-1022)22	PCT WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)		
				Date of mailing (day/month/year)	15 FEB 2011	
Applicant' 2532400	s or agent's file	reference		FOR FURTHER A	CTION See paragraph 2 below	
Internation	al application N	No.	International filing date	(day/month/year) Priority date (day/month/year)		
PCT/US			21 October 2010 (2	1.10.2010)	21 October 2009 (21.10.2009)	
IPC(8) - USPC -	A61K 38/46	(2011.01)	r both national classifica	tion and IPC		
1. This opinion contains indications relating to the following items: Box No. 1 Basis of the opinion						
		e notes to Form				
Name and mailing address of the ISA/US Mail Stop PCT, Attn. ISA/US Commissionter for Patients P.O. Box 1499, Alexander Viginia 22313-1450 Tacstimite No. 571-273-3201 Date of completion of this 30 January 2011 (30				•	Authorized officer: Lee W. Young PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774	
orm PCT/I	SA/237 (cover	sheet) (July 200	9)			

From the

INTERNATIONAL SEARCHING AUTHORITY

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US 10/53484

Box	No. I	Basis of this opinion
1.	With	egard to the language, this opinion has been established on the basis of:
	[X]	the international application in the language in which it was filed.
		a translation of the international application into translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2.		This opinion has been established taking into account the rectification of an obvious mistake authorized by or notified to this Authority under Rule 91 (Rule $43\delta a.1(a)$)
3.		regard to any nucleotide and/or amino acid sequence disclosed in the international application, this opinion has been shed on the basis of a sequence listing filed or furnished:
	a. (n	eans)
	F	on paper in electronic form
	_	In electionic total
	b. (ti	me)
		in the international application as filed
	Ļ	together with the international application in electronic form
	ᆫ	subsequently to this Authority for the purposes of search
4.		In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
5.	Addit	ional comments:

Form PCT/ISA/237 (Box No. I) (July 2009)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No PCT/US 10/53484

In response to the invitation (Form PCT/ISA/206) to pay additional fees the applicant has, within the appicable time limpaid additional fees paid additional fees paid additional fees
paid additional fees under protest and, where applicable, the protest fee
paid additional fees under protest but the applicable protest fee was not paid
not paid additional fees
2. This Authority found that the requirement of unity of invention is not complied with and chose not to invite the applican pay additional fees.
3. This Authority considers that the requirement of unity of invention in accordance with Rule 13.1, 13.2 and 13.3 is
complied with
not complied with for the following reasons:
This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.
Group I. Claims 1-16, and 34-38 directed to a method for treatment or prevention of influenza in a mammal or bid, comprising administering a tharapseutically reflects amount of a pharmaceutical composition comprising one or more dispessive enzymes. Group II claims 17-28, directed to a method of diagnosing a patient as immune-compromised, comprising a) obtaining a fecul sample more to diagnosing the patient as having a compromised immune system if the determined fecul chymotrypian level is lass than a control level. Group IIII claims 29, 30 and 33, directed to a composition comprising one or more dispessive enzymes comprising at teast one lipses as
at least one protease, wherein the ratio of proteases to lipases ranges from about 1:1 to about 20:1. Group IV: claims 31-33, directed to a pharmaceutical composition comprising at least one amylase, a mixture of proteases comprising
bypsin and chymotrypsin and at least one lipase. Group V: claim 39, directed to a method for santitizing or disinfecting a surface to reduce the amount of influenza virus thereon, comprising applying to the surface a composition comprising one or more digestive enzymes.
comprising applying to time surface a composition comprising one or more digestive enzymes. Group VI: claim 40, directed to a method for reducing the amount of influenza vitus present on a skin region, tissue, or wound of a mammal or bird comprising applying to the skin region, tissue, or wound a composition comprising one or more digestive enzymes.
The inventions listed as Groups I - VI do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:
The special technical feature of the Group I claims is a method for treatment or prevention of influenza in a mammal or bird, comprisin administrating a therapeutically referred warmount of a pharmacoulcial composition comprising one or more dispestive enzymes. The special technical feature of the Group I claims is a method of dispincing a patient as immune-compromised, comprising, a) obtaining a compromised influence of the Group I claims is a method of compression of the Group I claims is a composition comprising one or more dispestive enzymes comprising at least one lipses and at least one proteasy, wherein the ratio of proteases to lipses ranges from about 11 to about 20.1. The special technical feature of Group II claims is a composition comprising one or more dispestive enzymes comprising at least one lipses and at least one proteasy one interpretation of the Group IV claims is an entire of the Group IV claims is a composition of influenza virus of the Group IV claims is a method for another or the Group IV claims is a method for another or more dispestive enzymes. The special technical feature of the Group IV claims is a method for another or more dispestive enzymes. The special technical feature of the Group IV claims is a method for another or more dispestive enzymes. The special technical feature of the Group IV claims is a method for reducing the amount of Influenza virus present on a skin region, fissue, or work of a marmanel or their comprising one or more dispestive enzymes. The special technical feature of the Group IV claims is a method for reducing the amount of Influenza virus present on a skin region, fissue, or work of a marmanel or their comprising one or orm ore dispestive enzymes.
- Please see first continuation sheet -
4. Consequently, this opinion has been established in respect of the following parts of the international application:
all parts
the parts relating to claims Nos. 1-16 and 34-38

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

-1- P 1 42/1 1/ 1/2 1/1

International application No.
PCT/US 10/53484

ВО	citations and explanat		ng such statement	or industrial applicability;
1.	Statement			
	Novelty (N)	Claims	6, 10, 11, 13-15, 38	YES
		Claims	1-5, 7-9, 12, 16, 34-37	NO NO
	Inventive step (IS)	Claims	NONE	YES
	-	Claims	1-16, 34-38	NO NO
-	Industrial applicability (IA)	Claims	1-16, 34-38	YES
		Claims	NONE	NO

Citations and explanations:

Claims 1-5, 7-9, 12 and 16 lack novelty under PCT Article 33(2) as being anticipated by WO 1990/002562 A1 to Sutton et al. (hereinafter "Sutton").

Regarding claim 1, Sutton teaches a method for the treatment or prevention of influenza (pg 3, para 2) in a mammal (pg 3, para 3, human), comprising administering to the mammal (pg 4, para 4-5) a therapeutically effective amount (pg 5, para 3) of a pharmaceutical composition (pg 2, para 3) comprising one or more disestive enzymes (pg 4, para 2-3).

Regarding claim 2, Sutton teaches the method of claim 1 wherein the Influenza (pg 3, para 2) is influenza Type A (pg 10, para 1, Table 3; pg 13, para 3).

Regarding claim 3, Sutton teaches the method of claim 2 where the influenza Type is Subtype H1N1 (pg 10, para 1, Table 3).

Regarding claim 4, Sutton teaches the method of claim 1 wherein the one or more digestive enzymes (pg 4, para 2-3) comprise proteases (pg 4, para 3, trypsin, chymotrypsin) and papain (pg 4, para 2).

Regarding claim 5, Sutton teaches the method of claim 1 wherein the one or more digestive enzymes (pg 4, para 2-3) comprise one or more pancreatic enzymes (pg 4, para 3, trypsin, chymotrypsin).

Regarding claim 7, Sutton teaches the method of claim 4 wherein the proteases comprise chymotrypsin and trypsin (pg 4, para 3).

Regarding claim 8, Sutton teaches the method of claim 1 wherein the one or more digestive enzymes (pg 4, para 2-3) are, independently, derived from an animal source (pg 4, para 3, trypsin, chymotrypsin) and a plant source (pg 4, para 2, papain).

Regarding claim 9, Sutton teaches the method of claim 1 wherein the mammal is a human (pg 3, para 3).

Regarding claim 12, Sutton teaches the method of claim 1, further comprising treating the mammal (pg 3, para 3, human) with an anti-viral medication (pg 5, para 4).

Regarding claim 16, Sutton teaches the method of claim 1 wherein the pharmaceutical composition (pg 2, para 3) is a dosage formulation (pg 4, para 5 to pg 5, para 2) consisting of capsules (pg 4, para 5 to pg 5, para 1).

Claims 34-37 lack novelty under PCT Article 33(2) as being anticipated by US 2002/0141987 A1 (Bjamason).

Regarding claim 34, Blamason teaches a method for treating a mammal (para [0007], human) exhibiting one or more symptoms (para [0007], [0013), pain) of influenza (para [0028], [0031) pain) of influenza (para [0028], [0031) pain) of longuage and the appendix of the parameter of

Regarding claim 35, Bjarnason teaches the method of claim 34 where the symptoms of influenza (para [0026], [0031]) consists of body aches (para [0007], [0013], pain).

Regarding claim 36, Bjarnason teaches the method of claim 34 wherein the mammal is a human (para [0007]).

Regarding claim 37, Bjarnason teaches the method of claim 34 wherein the preparation (para [0001], [0020], pharmaceutical composition) is administered orally (para [0048]0 via a dosage formulation consisting of capsules (para [0048]).

SEE CONTINUATION SHEET.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US 10/53484

Supplemental Box

In case the space in any of the preceding boxes is not sufficient. Continuation of: Box IV: Lack of Unity of Invention

There is no common technical element shared by all of the above groups. Groups I, III and IV share the common technical element of said enzymes comprising at least one protease and at least one lipsas. Groups I, III and IV share the common technical element of said enzymes comprising at least one protease and at least one lipsas. Groups I, III, v and VI share the common technical element of being related to invaluantly feed to express the common technical element of being related to invaluantly feed (and the protease). And VI share the common technical element of being related to invaluantly feed (and the protease) and VI share the common technical element of being related to evaluating feed (and the protease). And VI share the common technical element of being related to evaluating feed (and the protease) and VI share the common technical element of being related to evaluating feed (and the protease). And VI share the common technical element of being related to evaluating (and VI share), and visit of the technical element of the protease, including type) and chyrothypian, as well as lipsases and amylases (see para (0023), para (0023) and (2003) parther, U.S 2008/010598 At 10 both common technical element of the protease, and visit of the visit

Box V No 2

Claims 6 and 10 lack an inventive step under PCT Article 33(3) as being obvious over Sutton in view of US 2005/0281772 A1 to Bromley et al. (hereinafter "Bromley").

Regarding claim 5, Sutton teaches the method of claim 1, including one or more of the digestive enzymes (pg 4, para 2-3) tides not specifically leach that the composition comprises avain enzymes or pg in expures. Bromley deaches pig (seive) or comprise size of the enzymes of the retainment of influenza (para (1943)). It would have been obvious to one of ordinary skill in the at to combine the teacher of the enzymes of the treatment of influenza, because the use may not such enzymes as taught by Bromley would have been expected to be effective for the same infection (influenza) as taught for digestive enzymes as taught by Bromley would have been expected to be effective for the same infection (influenza) as taught for digestive enzymes derived from other sources as taught by Studies.

Regarding claim 10, further to the method of claim 8, as described above, Bromley teaches that the animal source is a pig pancreas (para [0291]).

Claims 13, 14 and 38 lack an inventive step under PCT Article 33(3) as being obvious over Sutton in view of US 2009/0232789 A1 (Fallon)

Regarding claim 13, Suton teaches the method of claim 1, Including that the composition comprises proteases (pg 4, pars 3, Trypain and chymotrophia) and papain (pg 4, pars 2) but does not specifically teach that the pharmaceutical composition (pg 2, pars 3) comprises: annipses from about 10,000 to about 10,000 to 3, pars 3, pars 3, pars 4, pars 4,

Regarding claim 14, Sutton teaches the method of claim 1, including compositions comprising proteases (pg 4, para 3, typein and chymortopisn) and appain (pg 4, para 2) but does not specifically teach that the pharmacountical composition (pg 2, para 3) comprises at least one protease and at least one lipase, and wherein the ratio of total proteases to total lipases (in USP units) ranges from about 1.1 to about 20.1. Fallon teaches pharmacountical compositions (para (1022) comprising proteases in a range of amounts from about 1.0,000 to about 7.0.00 U.S.P. (para (1038)). It would have been comprising protease (1027) and (passes at range from about 4.000 to about 30,000 U.S.P. (para (1038)). It would have been comprising professes (113 to 20.1 by utilizing amounts of proteases and lipases within the amounts turbit by Fallon.

SEE CONTINUATION SHEET.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US 10/53484

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of: Box V. Supplemental Page 1

Regarding claim 38, Sutton teaches a method of preventing infection of an individual with influenza (pg 3, para 2) or of teating an individual diagnose with influenza (pg 3, para 2) clouding daminisating a composition (pg 4, para 4-5) comprising one or more digestive enzymes (pg 4, para 2-5) to the individual (pg 4, para 4-5) but does not specifically teach that the method comprises:

on the individual disposition of the individual (pg 4, para 4-5) but does not specifically teach that the method comprises:

on the individual disposition of the individual companies of feet disposition with a normal fecal dymorphysin level of feet disposition with a normal fecal dymorphysin level.

administering a composition comprising one or more digestive enzymes to the individual if the level of fecal chymotrypsin in the individual is less than a normal fecal chymotrypsin level. Fallon teaches measuring a level of fecal chymotrypsin in a scot sample of the individual (para (1050)) and administering a composition comprising one or more digestive enzymes (para (10036)) (10042)) to the individual if the level of fecal chymotrypsin in the individual is less than a normal fecal chymotrypsin level (para (1004)). Fig. 4). Although Fallon does not specifically teach that the administration of digestive enzymes based on fecal chymotrypsin level is a for the treatment the treatment of intellera, it would have been obvious to not of ordinary skill in the art to combine the leadings of skillon and Fallon to provide the digestive enzymes based on measurement of fecal chymotrypsin, because the use of chymotrypsin levels to indicate deficiencies as a complete in the complete of th

Claim 11 lacks an inventive step under PCT Article 33(3) as being obvious over Sutton in view of US 5,106,616 A to McAnalley et al. (hereinafter "McAnalley"), further in view of US 2003/0104045 A1 to Virtanen et al. (hereinafter "Virtanen").

Regarding claim 11, Sutton teaches the method of claim 1 including compositions comprising proteases (pg 4, para 3, typis and chymotropisn) and papain (pg 4, para 2) but does not specifically teach that the pharmaceutical composition (pg 2, para 3) comprises at least one annylase, a mixture of proteases comprising chymotrypsin and trypsin, and at least one lipses. McAnality teaches prevention and treatment of influenza (col 12, lbs. 67) using accentanana which is more effective when its administration is enhanced by anylases (col 17, in 6-17). Wramen teaches that lipsess (para (070)) are useful in disruption of the influenza virus (para (0070)), it would have been (71, in 6-17). Wramen teaches that lipsess (para (0707)) are useful in disruption of the influenza virus (para (0070)), it would have been composition comprising a paralises, a reliature of pine as exempling of Sulfa. McAnality with the combination of Sutton, McAnality and the provided provided and the provided provided provided and the provided provided

Claim 15 lacks an inventive step under PCT Article 33(3) as being obvious over Sutton in view of McAnalley, further in view of Virtanen, and further in view of Fallon.

Regarding claim 15, further to the method of claim 11, as described above, Sution teaches compositions (pg 2, para 3) comprising proteases (ps 4, para 3, typisin and drymortpsin) and papain (pg 4, para 2) but does not specifically leach that the pharmaceutical composition (pg 2, para 3), but neither Sution, McAnalley nor Virtanen specifically teaches that the composition comprises at least one protease and a fleat one lipsus, and wherein the ratio of total proteases to total lipsuses (in USP units) ranges from about 1-10 about 201. Wherein the ratio of proteases to lipsuses ranges from about 4.1 to about 4.01. Failon teaches pharmaceutical from about 1-10 about 201. Failon teaches pharmaceutical from about 1-10 about 4.01. Failon teaches pharmaceutical from about 1-10 and places are migres of the paramaceutical of the paramaceutical composition (paramaceutical composition comprising protease-lipsuse ratio of 4.1 to 10.1 by utilizing amounts of protease-lipsuse ratio of 4.1 to 10.1 by utilizing amounts of protease-with the amounts along the paramaceutical composition comprising protease-lipsuse ratio of 4.1 to 10.1 by utilizing amounts of protease-with the amounts stught by Failon.

Claims 1-16 and 34-38 have industrial applicability as defined by PCT Article 33(4) because the subject matter can be made or used in industry.